

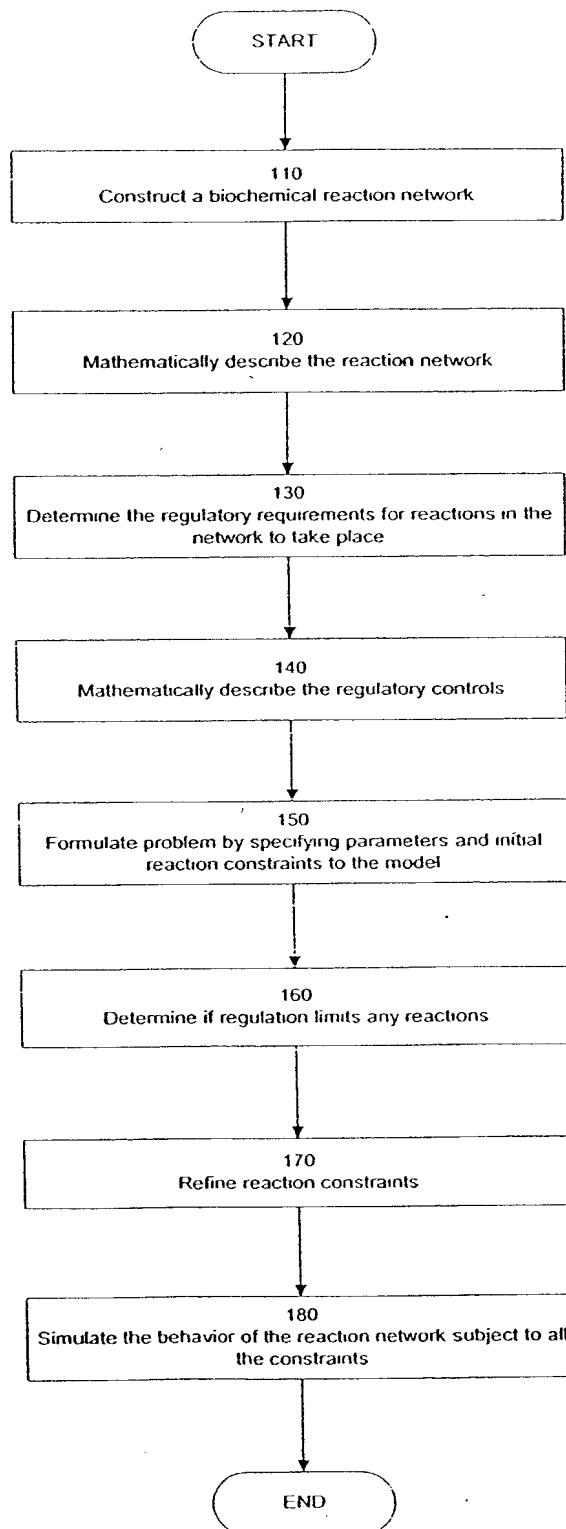
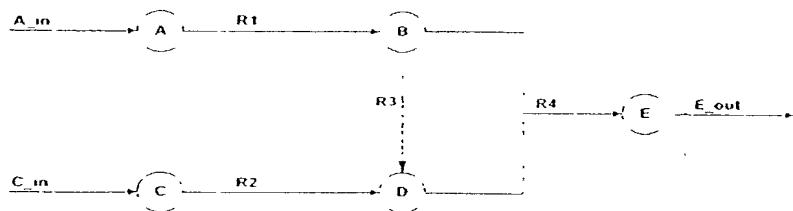
Figure 1**General Process for Developing and Implementing a Regulated Biochemical Reaction Network Model**

Figure 2

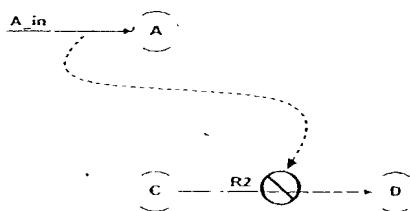
A)

Example Biochemical Reaction Network



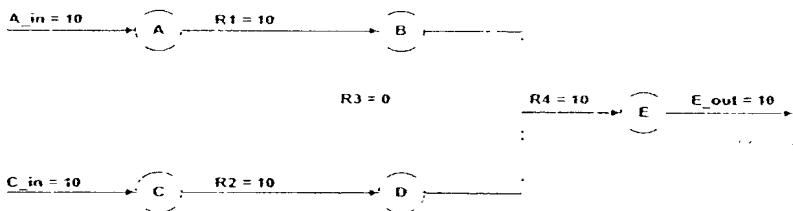
B)

Example Regulatory Structure and Requirements



C)

Simulated Reaction Network (without regulation)



D)

Simulated Reaction Network (with regulation)

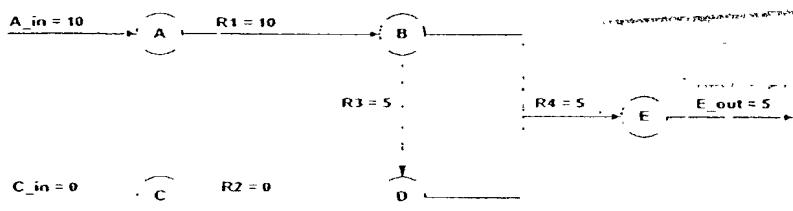


Figure 3

Metabolic Model

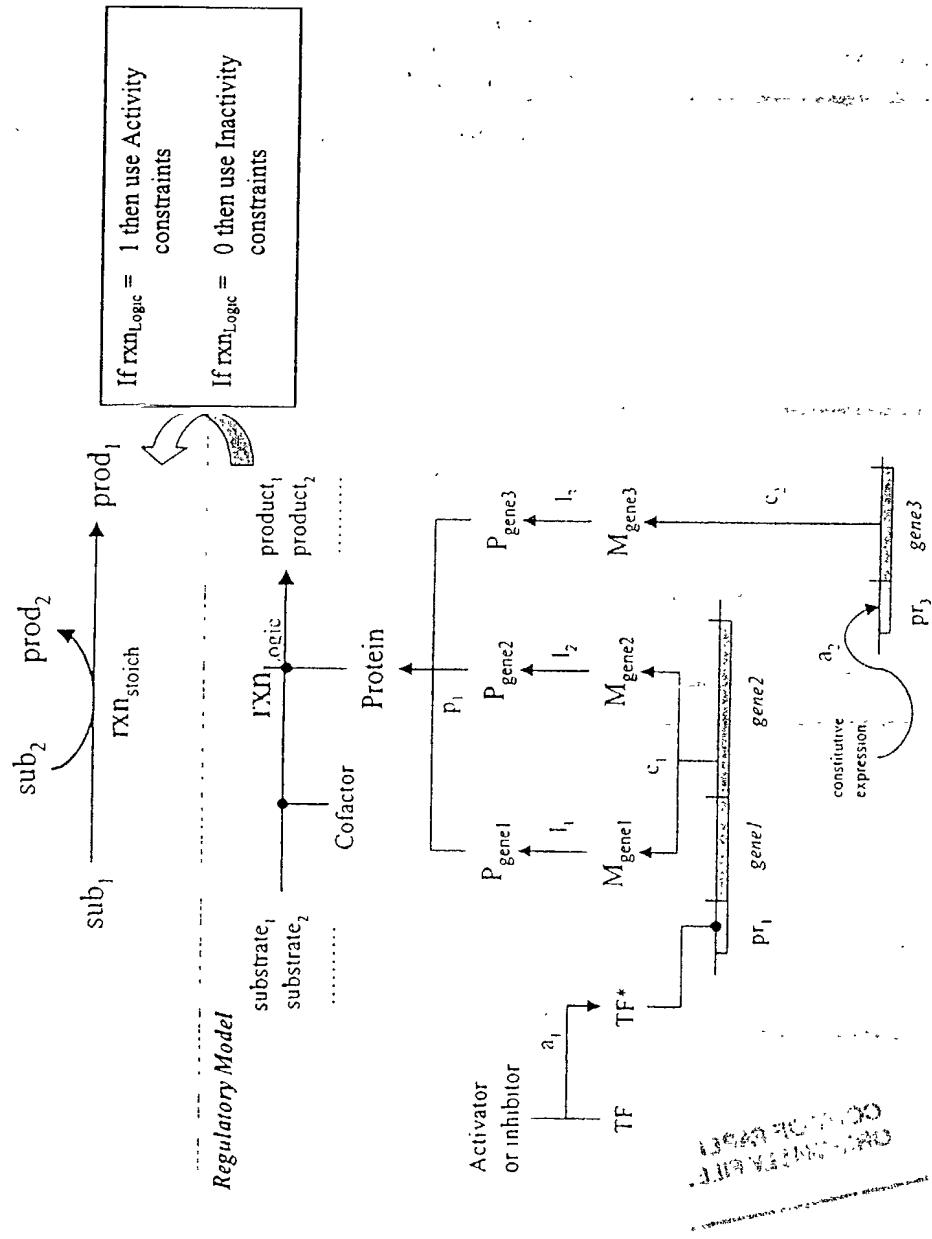


Figure 4

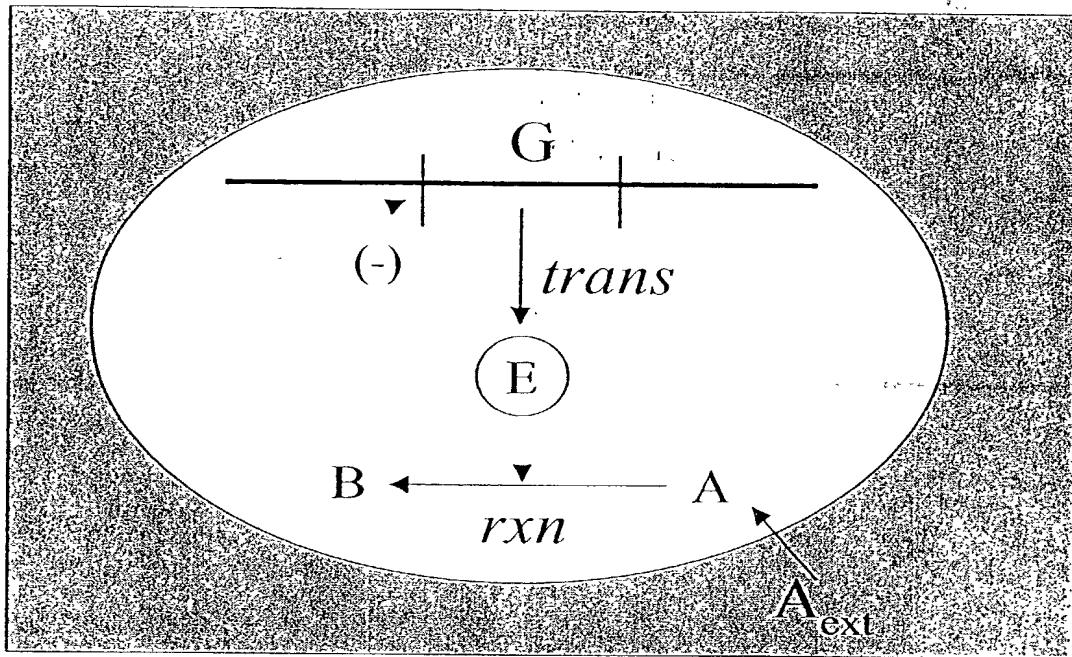


Figure 5

A Time-Dependent Implementation of a Regulated
Biochemical Reaction Network Model

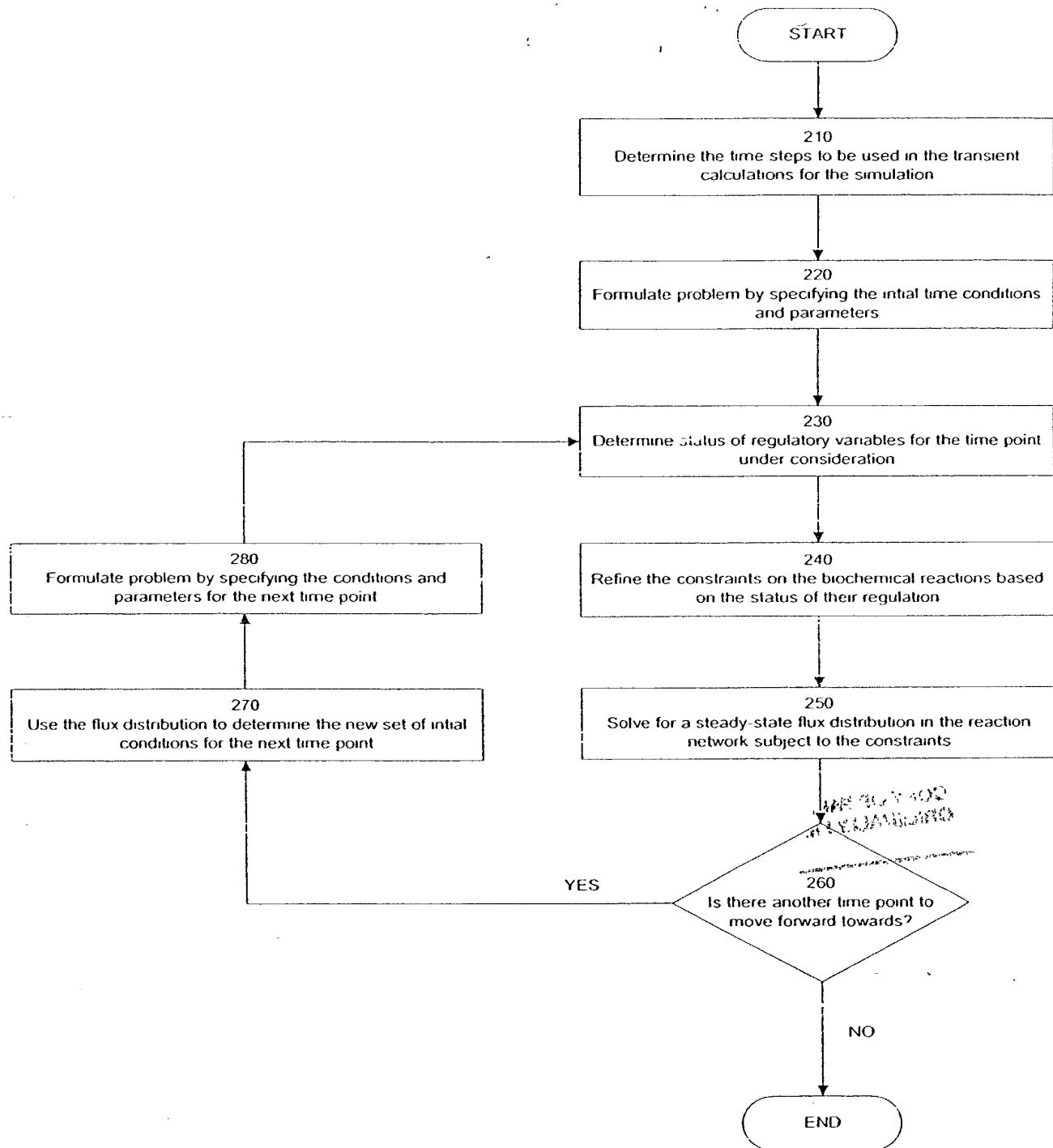


Figure 6

Process for Developing Genome Scale Regulated Models of Metabolism

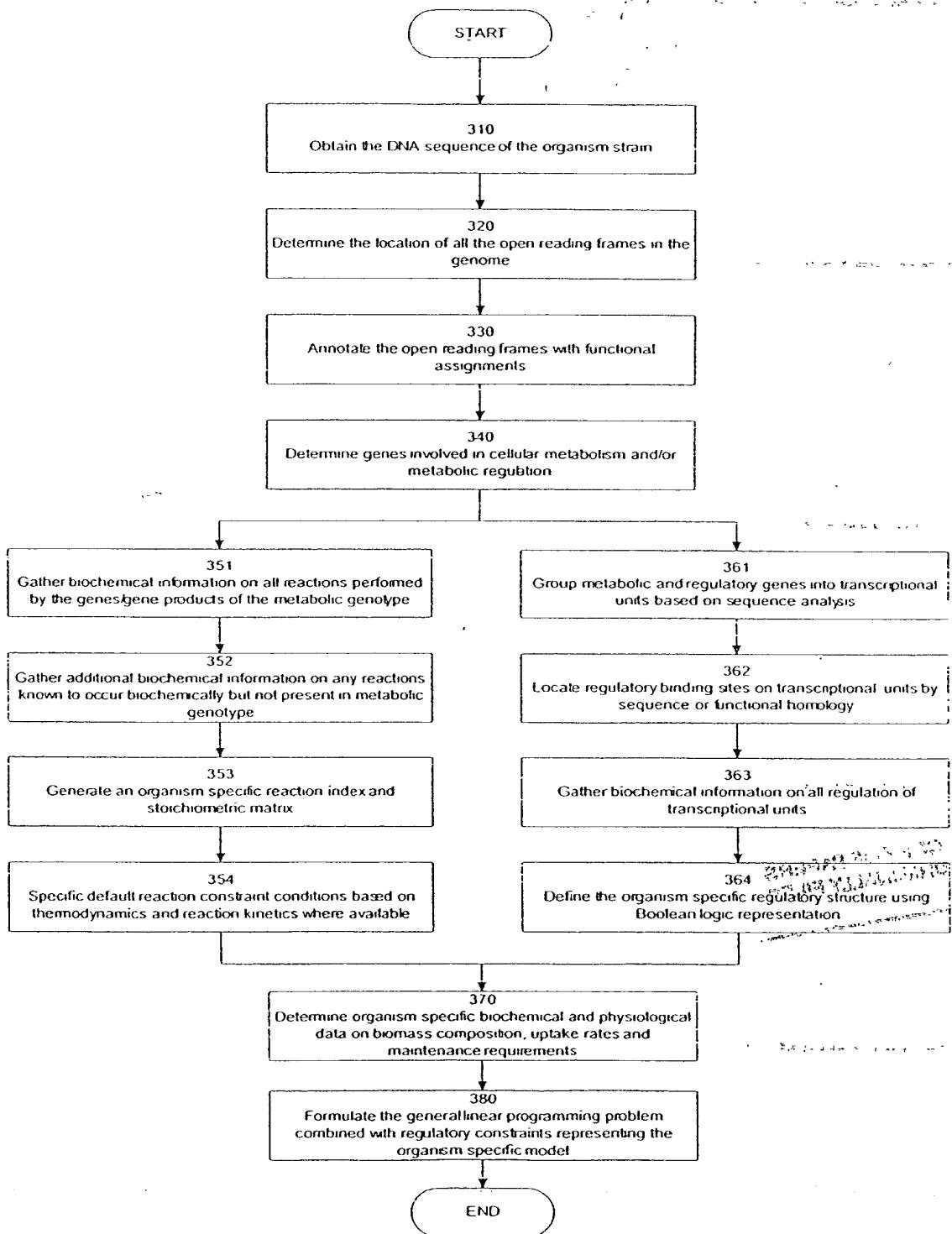


Figure 7

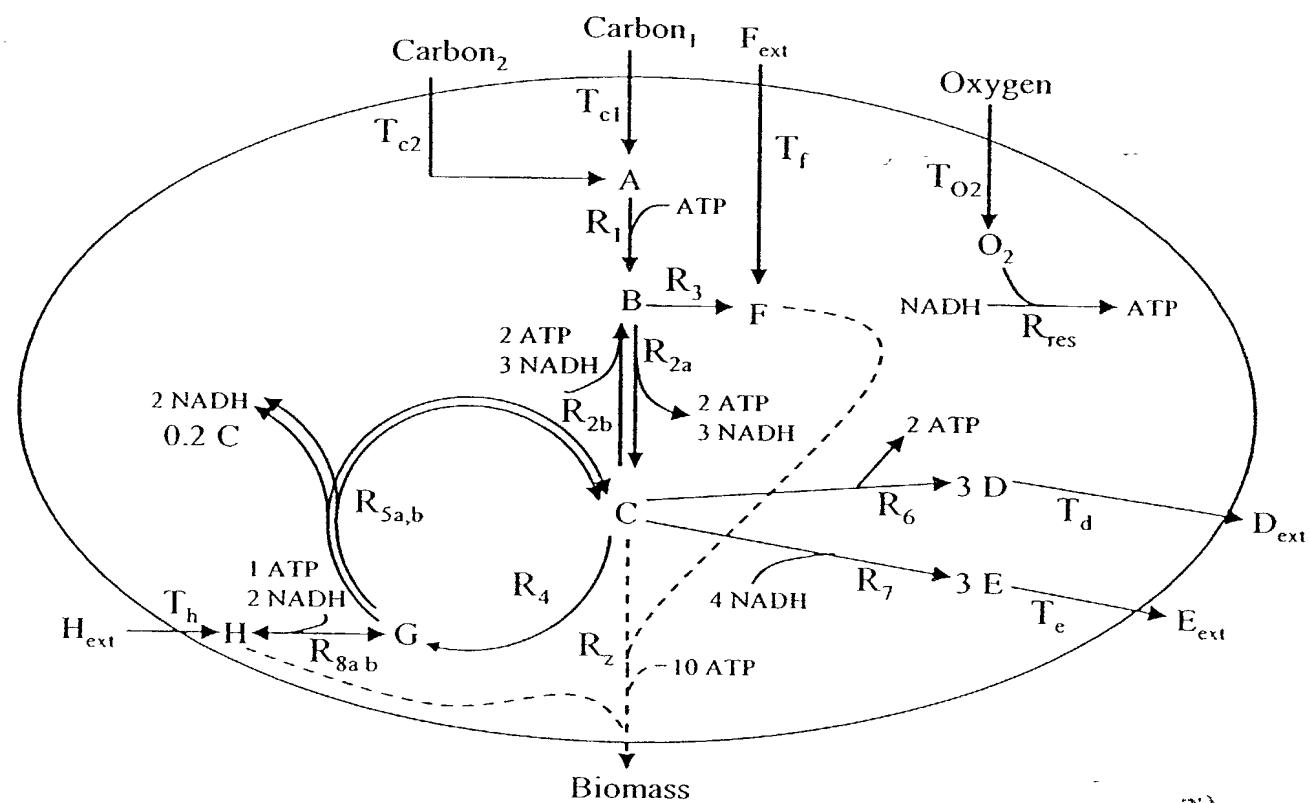


Figure 8

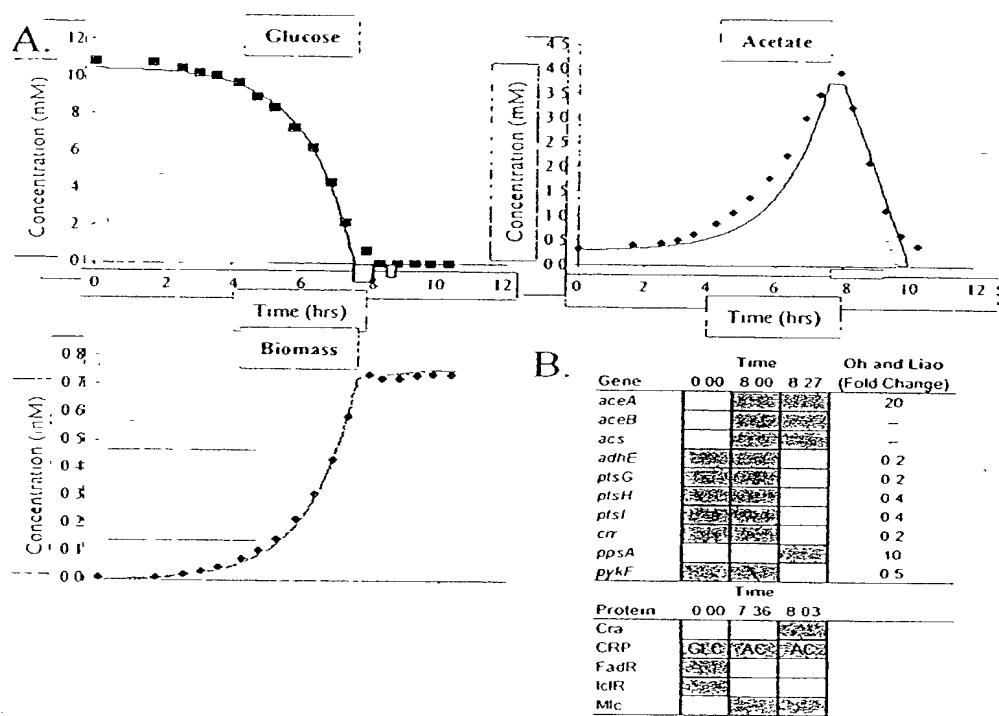


Figure 9

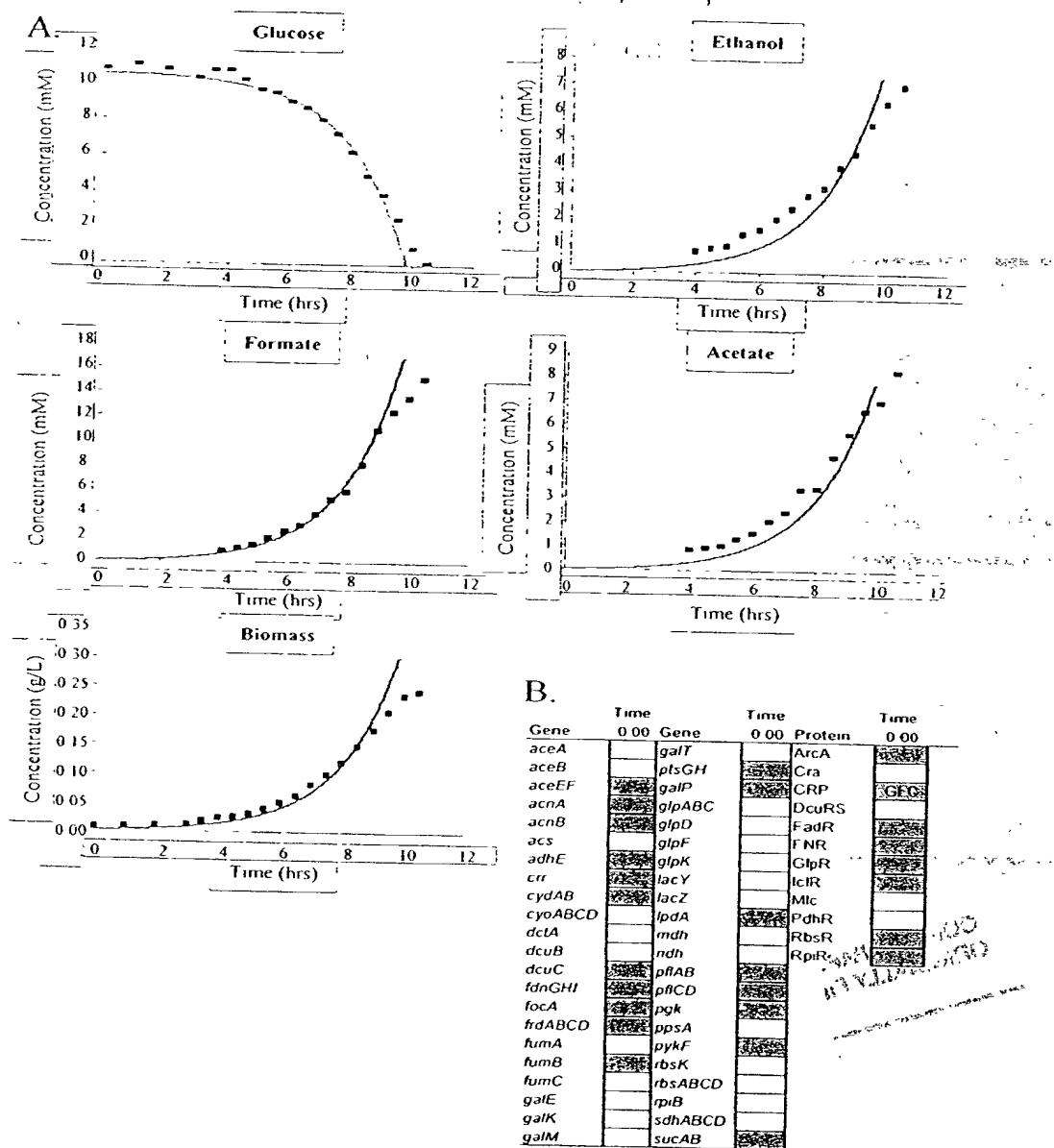


Figure 10

